Author index*

ABILDSKOV, J. A., McFee, RICHARD, and SCHECTER GARY L. Further observations with the normalized electrocardiogram and axis map, 220

ABRAMS, DAVID. (See Luria, et al.), 357

ADROUNY, ZAVEN A., SUTHERLAND, DONALD W., GRISWOLD, HERBERT E., and RITZMANN, LEONARD W. Complications with transseptal left heart catheterization, 327

Afonso, Skoda. (See Rowe, et al.), 656 Amram, Salomão Sequerra. (See Coelho, et al.), 766

ARCILLA, RENÉ. (See Lev, et al.), 638
ARNEIL, GAVIN C. The syndrome of proteinuria. The nephrotic syndrome, 723 AUSTEN, W. GERALD. (See Rockoff and Austen), 458 AVERS, CHARLES R. (See Spach, et al.), 664

Azar, Gordon J. Acute nonspecific pericarditis complicated by the development of constrictive pericarditis, 474

BADEER, HENRY S. Physiologic basis for the normally low oxygen content of coronary venous blood, 844 (Annot.)

BARBER, M. R. (See Fischmann and Barber), 628

BARNARD, C. N. (See Schrire, et al.), 396

BATTHEORA HECTOR (See Fiscanstain et al.) 226

BATTIFORA, HECTOR. (See Eisenstein, et al.), 826 BAYLEY, ROBERT H., and BERRY, PAUL M. "Body surface" potentials produced by the eccentric dipole in the heart wall of the nonhomogeneous volume conductor, 200

BECK, W. (See Schrire, et al.), 396
BELLAMY, J. C. (See Deal, et al.), 441
BENCHIMOL, ALBERTO, and DIMOND, E. GREY. The
apexcardiogram in normal older subjects and in patients with arteriosclerotic heart disease. Effect of exercise on the "a" wave,

-, LASRY, JAMES E., and CARVALHO, F. ROCHA. The ventricular premature contraction. Its place in the diagnosis of ischemic heart disease, 334

BERMAN, REUBEN, and SIMONSON, ERNST. Ventricular parasystole in atrial fibrillation, 285 (Annot.)

BERRY, PAUL M. (See Bayley and Berry), 200 BIRNBAUM, MORTON. Normal hemoglobin level and

coronary heart disease, 136 (Annot.)
BLOOR, COLIN M., and LOWMAN, ROBERT M. Myocardial bridges in coronary angiography,

BLOUNT, S. GILBERT, JR. (See McNalley, et al.), 244

. (See Vogel, et al.), 841 (Annot.)

BOBROW, ERIC B. (See Mendlowitz, et al.), 93
BOOTH, RICHARD W. (See Runco and Booth), 697
BRUCE, ROBERT A. (See Cox, et al.), 802
BUCHNER, EDWARD F. (See Parker, et al.), 534

BURCH, GEORGE E., and DEPASQUALE, NICHOLAS P.

Bradykinin, 116 Burford, Thomas H. (See Parker, et al.), 534

Carlsson, Erik C. (See Parker, et al.), 534 Carvalho, F. Rocha. (See Benchimol, et al.), 334

CASTILLO, CESAR A. (See Rowe, et al.), 656
CAWADIAS, A. P. The fatal illness of Napoleon the Great, 277 (Annot.)
CHAPMAN, ROGER. (See Epstein, et al.), 816
COBB, LEONARD A. (See Cox, et al.), 802
COELHO, EDUARDO, PAIVA, EDUARDO, NUNES, AMERICO, and AMRAM, SALOMÃO SEQUERRA. Origin of both great vessels from the right gin of both great vessels from the right ventricle with pulmonary stenosis. Angio-cardiographic findings, 766

COHEN, A. M. Fats and carbohydrates as factors in atherosclerosis and diabetes in Yemenite

Jews, 291 COHEN, ALLAN I. (See McIntosh and Cohen), 715 (Annot.)

COHEN, W. (See Moe, et al.), 87 COLEBATCH, H. J. H. (See Halmagyi, et al.), 208 COLEMAN, D. JACKSON. On the origin of the second heart sound, 237

heart sound, 237

COLLINS, N. PERRYMAN. (See Talbert, et al.), 590

CONN, HADLEY L., JR. (See Luchi, et al.), 340

CONRAD, LOYAL L. (See Lindeman, et al.), 24

CORWIN, ROBERT D. (See Legnami and Corwin), 674

COULSHED, NORMAN. (See Epstein, et al.), 816

COX, ALBERT R., COBB, LEONARD A., and BRUCE,

ROBERT A. Differential hemodynamic effects of isoproterenal on mitral steposis and fects of isoproterenol on mitral stenosis and

left ventricular diseases, 802 Craige, Ernest, and Harned, Herbert S., Jr. graphic studies in normal newborn infants, Phonocardiographic and electrocardio-

CRUMPTON, CHARLES W. (See Rowe, et al.), 656

DATEY, K. K. (See Kulkarni, et al.), 678 DAVIS, B. T., DAVISON, PAUL H., and HEATH, DON-ALD. Clinical pathologic conference, 261

Davison, Paul H. (See Davis, et al.), 261
DEAL, C. P., Jr., Trummer, M. J., Bellamy, J. C.,
and Timmes, J. J. A new disease entity:

leaflet redundancy of the mitral valve, 441 DEELY, WILLIAM J., HAGSTROM, JACK W. C., and ENGLE, MARY ALLEN. Truncus insufficiency: common truncus arteriosus with regurgitant truncus valve, 542

DEGRAFF, ARTHUR C., and LYON, ALAN F. Evalua-

tion of dipyridamole (Persantin), 423 d — Mebutamate. Antihypertensive or tranquilizer? 569

Appraisal and reappraisal of drugs used in the treatment of heart conditions. Introduction, 131

. (See Hoff and DeGraff), 132 . (See Lyon and DeGraff), 839

. (See Sperber and DeGraff), 275 DELIYIANNIS, STAVROS. Wandering pacemaker occurring during speech, as a result of para-doxical effect of atropine on the A-V node,

DEPASQUALE, NICHOLAS P. (See Burch and DePasquale), 116

DETWEILER, D. K. (See Patterson and Detweiler), 429 (Annot.)

DEXTER, LEWIS. (See Harrison and Dexter), 583

^{*}January, pp. 1-144; February, pp. 145-290; March, pp. 291-432; April, pp. 433-578; May, pp. 579-722; June, pp. 723-864.

DIMOND, E. GREY. (See Benchimol and Dimond), 789

DIMOND, GEORGE E. Assessment of functional recovery of men surviving first myocardial in-

pode, Harold T. (See Sandler, et al.), 501
Dollery, C. T. Methyldopa in hypertension, 139
(Annot.)

Dower, Gordon E., Moore, A. Donald, Ziegler, William G., and Osborne, John A. On

ORS amplitude and other errors produced by direct-writing electrocardiographs, 307
DREIFUS, LEONARD S., McGarry, Thomas F.,
WATANABE, YOSHIO, KLINE, S. RONALD,
WALDMAN, MORTON, and LIKOFF, WILLIAM. Clinical and physiologic effects of antazoline, a new antiarrhythmic agent,

Dubach, Ulrich C., and Gsell, Otto R. Carcinoid syndrome. Effective symptomatic treat-ment, 425 (Annot.)

DuShane, James W. (See Weidman, et al.), 148

EHLERS, KATHRYN HAWES, and ENGLE, MARY AL-LEN. Glycogen storage disease of myocardium, 145

EISENSTEIN, REUBEN, SCHWARTZ, THEODORE B., PAUL, OGLESBY, and BATTIFORA, HECTOR.

Clinical pathologic conference, 826
ELMQVIST, RUNE, LANDEGREN, JOHAN, PETTERSSON,
SVEN OLOV, SENNING, ÅKE, and WILLIAMOLSSON, GÖRAN. Artificial pacemaker for
treatment of Adams-Stokes syndrome and

slow heart rate, 731
ELSNER, R. W., GAREY, W. F., and SCHOLANDER, P. F. Selective ischemia in diving man, 571

(Annot.)

ENERO, M. A. (See Villamil, et al.), 294
ENGLE, MARY ALLEN. (See Deely, et al.), 542
—. (See Ehlers and Engle), 145

EPSTEIN, ELLIS J., CHAPMAN, ROGER, COULSHED, NORMAN, and GALLOWAY, RAYMOND WIL-LIAM. Pulmonary ossific nodule formation in the absence of mitral valve disease. A report of four cases, 816

Estes, E. Harvey, Jr., Whalen, Robert E., Roberts, Stewart R., Jr., and McIntosh, Henry D. The electrocardiographic and vectorcardiographic findings in idiopathic hypertrophic subaortic stenosis, 155

FELDMAN, LOUIS. (See Krakower and Feldman), 555 FERNÁNDEZ-DURÁN, ANTONIO. (See Rodríguez, et al.), 253

FERUGLIO, GEORGE A. A new method for producing,

calibrating, and recording intracardiac sounds in man, 377

FISCHMANN, E. J., and BARBER, M. R. "Aimed" electrocardiography. Model studies, using a heart consisting of 6 electrically isolated areas, 628

FOWLER, NOBLE O. (See Shabetai, et al.), 525 FRIEDBERG, CHARLES K. (See Mizgala, et al.), 5

GALLOWAY, RAYMOND WILLIAM. (See Epstein, et al.), 816
GANDHI, M. J. (See Kulkarni, et al.), 678 GARCÍA-MOLINER, LUCIO. (See Rodríguez, et al.), 253 GAREY, W. F. (See Elsner, et al.), 571 (Annot.) GASUL, BENJAMIN M. (See Lev, et al.), 638 GAY, BRIT B., JR. (See Logue, et al.), 464 GILBERT, JOSEPH W. (See Talbert, et al.), 590 GITLOW, STANLEY E. (See Mendlowitz, et al.), 93 GONZALEZ-ANGULO, AMADOR, GREENBERG, S. DON-ALD, and WALLACE, STUART A. Generalized

primary amyloidosis, 110
Gottsegen, G., and Östör, E. Prevention of the cardiotoxic effect of quinidine by isopro-

terenol, 102
GRANT, ALAN P. Isocarboxazid (Marplan) in the treatment of angina pectoris, 137 (Annot.) GRAYZEL, JOSEPH. (See Somlyo and Grayzel), 68

GREENBERG, S. DONALD. (See Gonzalez-Angulo, et al.), 110

GREENFIELD, JOSEPH C., Jr. (See Payne and Greenfield), 436

GRISWOLD, HERBERT E. (See Adrouny, et al.), 327 GROEBEN, J. VON DER. (See Toole, et al.), 77 GROSSE-BROCKHOFF, FRANZ. The thermodilution method in the diagnosis of cardiac malformations and valvular disease, 282 (An-

GROVER, ROBERT F. (See Vogel, et al.), 841 (Annot.) GSELL, OTTO R. (See Dubach and Gsell), 425 (Annot.)

GUERON, MOSCHE. (See Shabetai, et al.), 525

HAGSTROM, JACK W. C. (See Deely, et al.), 542
HALMAGYI, D. F. J., COLEBATCH, H. J. H., STARZ-ECKI, B., and MCRAE, J. Effect of isoproteron in "severe" experimental lung entertains and second control of the control of bolism with and without postembolic col-

HANCOCK, E. W., OLIVER, G. C., SWANSON, M. J., and HULTGREN, H. N. Valsalva's maneuver in atrial septal defect, 50

HANO, JESSIE E., and HARRIS, A. SIDNEY. Effects of histamine and potassium release agents on report in the statement of the second ventricular rhythms before and after coronary occlusion, 368

HARNED, HERBERT S., JR. (See Craige and Harned),

180

HARRIS, A. SIDNEY. (See Hano and Harris), 368 HARRISON, DONALD C., and DEXTER, LEWIS. The evaluation of patients who develop recurrent cardiac symptoms after mitral valvulo-

HAY, ROBERT E. (See Sandler, et al.), 501
HEATH, DONALD. (See Davis, et al.), 261
HEINTZEN, P., and VIETOR, K. W. The diacardiac phonogram, 59
HELWIG, JOHN JR. (See Lych), et al.), 240

phonogram, 59

Helwig, John, Jr. (See Luchi, et al.), 340

Hoff, H. Richard, and DeGraff, Arthur C.
Evaluation of drugs used to reduce serum
cholesterol, 132

Huang, Shao-nan. (See Spach, et al.), 664

Hughes, M. Leo, Jr., Mortensen, Frede, and
Shourie, Leela. Comparison of continuous long-term benerin and oral anticoagu-

ous long-term heparin and oral anticoagulant therapy in patients with severe angina

pectoris, 615 HULTGREN, H. N. (See Hancock, et al.), 50

JACOBS, A. L. Anticoagulant therapy in acute myocardial infarction, 716 (Annot.)

JACOBSON, EUGENE D. Gastric hemodynamics, 843
(Annot.)

KAPLAN, MELVIN H. Immunologic relationship of group A streptococcal strains and human heart tissue. Possible significance for the pathogenesis of rheumatic fever, 426 (AnKAY, JEROME HAROLD. (See Magidson and Kay), 597

Kelble, David. (See McNalley, et al.), 244
Kellaway, Gavin. Hypotension and shock syn-

Kellaway, Gavin. Hypotension and shock syndrome complicating staphylococcal pneumonia, 570 (Annot.)

Kimura, Ehchi, and Yoshida, Koichi. A case showing electrical alternans of the T wave without change in the QRS complex, 391

Kincaid, Owings W. (See Weidman, et al.), 148

King, Geoffrey E. Influence of rate of cuff inflation and deflation on observed blood pressure by sphygmomanometry, 303
Kistin, Albert D. Multiple pathways of conduction

and reciprocal rhythm with interpolated ventricular premature systoles, 162

KLEINFELD, MORRIS, STEIN, EDWARD, and Koss-MANN, CHARLES E. Electrical alternans with emphasis on recent observations made by means of single-cell electrical recording,

KLINE, IRWIN K., KLINE, TILDE S., and SAPHIR, OTTO. Myocarditis in senescence, 446

Otto. Myocarditis in senescence, 446
KLINE, S. RONALD. (See Dreifus, et al.), 607
KLINE, TILDE S. (See Kline, et al.), 446
KOSOWICZ, JERZY, and ROGUSKA, JADWIGA. Electrocardiogram in hypopituitarism. Reversibility of changes during treatment, 17
KOSSMANN, CHARLES E. (See Kleinfeld, et al.), 495
KRAKOWER, CECIL A., and FELDMAN, LOUIS. Clinical pathologic conference, 555
KULKARNI, T. P., GANDHI, M. J., and DATEY, K. K.
The syndrome of compression of the pulmo-

The syndrome of compression of the pulmonary artery by an aneurysm of the ascending aorta. A case report, 678

Kyriacopoulos, John D. (See Lindeman, et al.), 24

LANDEGREN, JOHAN. (See Elmqvist, et al.), 731

LASRY, JAMES E. (See Benchimol, et al.), 334
LASSER, RICHARD P. (See Mizgala, et al.), 5
LAURIE, WM., and WOODS, J. D. Coronary interarteriolar anastomoses, 579

LEATHER, HUGH M. Unusual manifestations of pheo-

chromocytoma, 574 (Annot.)

Lee, T. David, Jr., Rovett, George C., and Ross,
Richard S. The hemodynamic effects of
isoproterend on pulmonary hypertension in man, 361

LEGNAMI, FRANCO A., and CORWIN, ROBERT D. Intrapericardial teratoma. Report of a case, 674

LEIGHT, LEONARD. (See McGaff and Leight), 240
LEV, MAURICE, ARCILLA, RENÉ, RIMOLDI, HORACIO
J. A., LICATA, RICHARD H., and GASUL,
BENJAMIN M. Premature narrowing or
closure of the foramen ovale, 638
LEVINE, HAROLD D. Semantics and the electrocardiographic report, 433
LICATA, RICHARD H. (See Lev, et al.), 638
LIEBERMAN, ARNOLD. (See Simonson and Lieberman), 687

man), 687

LIKOFF, WILLIAM. (See Dreifus, et al.), 607

LINDEMAN, ROBERT D., KYRIACOPOULOS, JOHN D., and CONRAD, LOYAL L. Evaluation of new single, oblique chest lead for the rapid

screening of electrocardiographic abnormalities in large populations, 24
LIOY, FRANCO. (See Rowe, et al.), 656
LOGAN, A., LOWTHER, C. P., and TURNER, R. W. D.
Reoperation for mitral stenosis, 135 (Annex) not.)

LOGUE, R. BRUCE, ROGERS, JAMES V., JR., and GAY,
BRIT B., JR. Subtle roentgenographic signs
of left heart failure, 464

LOPEZ, JOSE F. (See Luria, et al.), 357

LOWMAN, ROBERT M. (See Bloor and Lowman), 195
LOWTHER, C. P., and TURNER, R. W. D. Deterioration after mitral valvotomy, 427 (Annot.)
—. (See Logan, et al.), 135 (Annot.)
LUCHI, ROBERT J., HELWIG, JOHN, JR., and CONN,
HADLEY L., JR. Quinidine toxicity and its
treatment, 340
LUCO, LORGE E. (See Rowe, et al.), 656

LUGO, JORGE E. (See Rowe, et al.), 656
LURIA, MYRON H., ABRAMS, DAVID, LOPEZ, JOSE F.,
and OHRINGER, LEONARD. Syncope in advanced A-V block induced by micturition, 357

Lyon, ALAN F., and DEGRAFF, ARTHUR C. The neurotoxic effects of digitalis, 839 -. (See DeGraff and Lyon), 423, 569

MACKLER, SAUL A. (See Shaffer, et al.), 758 MADIANOS, MICHAEL, and SOKAL, JOSEPH E. Cardiac involvement in lymphosarcoma and reticu-lum cell sarcoma, 322 Magidson, Oscar, and Kay, Jerome Harold. Rup-

tured aortic sinus aneurysms. Clinical and

MANGLARY LOCALITY SHOWS A REUTYSMS. Clinical and surgical aspects of seven cases, 597

MANGLARY LOCALITY CONTROL OF THE SHOWS A REUTYSMS. Clinical and surgical aspects of seven cases, 597

MANGLARY LOCALITY CONTROL OF T

MANGIARDI, JOSEPH L., SANTEMMA, ESTERINO E., and SULLIVAN, JOHN J., JR. Arteriovenous fistula of the kidney, 549 MARSHALL, WILLIAM J. (See Shabetai and Marshall),

412

MATSUOKA, SHIGERU. (See Nelson and Matsuoka), 774

McFee, Richard. (See Abildskov, et al.), 220

McGaff, Charles J., and Leight, Leonard. Pul-monary hypertensive effects of bretylium

McGarry, Thomas F. (See Dreifus, et al.), 607 McGuire, Johnson. (See Shabetai and McGuire), 124

McIntosh, Henry D., and Cohen, Allan I. Pulmonary stenosis: The importance of the myocardial factor in determining the clinical course and surgical results, 715 (Annot.)

—. (See Estes, et al.), 155
McNalley, M. C., Kelble, David, Pryor, Ray, and Blount, S. Gilbert, Jr. Angiosarcoma of the heart, 244

MCRAE, J. (See Halmagyi, et al.), 208
MENDLOWITZ, MILTON, NAFTCHI, NOSRAT E., BOBROW, ERIC B., WOLF, ROBERT L., and GITLOW, STANLEY E. The effect of aldosterone on electrolytes and on digital vascular reactivity to 1-norepinephrine in normo-tensive, hypertensive, and hypotensive subjects, 93

. The negative placebo effect in science, 842 MICKERSON, J. N. Heart failure in hypertensive patients, 267

MIZGALA, HENRY F., LASSER, RICHARD P., and FRIEDBERG, CHARLES, K. The treatment of refractory retention of fluid with oral L-arginine monohydrochloride and meralluride, 5

Modell, Walter. Narcotic analgesics in heart dis-

ease, 709

Moe, G. K., Cohen, W., and Vick, R. L. Experimentally induced paroxysmal A-V nodal tachycardia in the dog, 87

MOORE, A. DONALD. (See Dower, et al.), 307
MORAN, E. SCHWARTZ, A., and UNGAR, H. A correlative study between the radiologic and pathologic diagnoses of atherosclerosis of the aorta, 190

MORGAN, WILLIAM L., JR. Chest ache, 712 (Annot.)

Morrow, Andrew G. (See Talbert, et al.), 590 Mortensen, Frede. (See Hughes, et al.), 615

NAFTCHI, NOSRAT E. (See Mendlowitz, et al.), 93 NAYLER, WINIFRED G. The significance of calcium ions in cardiac excitation and contraction,

NELSON, CLIFFORD V., and MATSUOKA, SHIGERU. The vertical component of the heart vector, 774
NIHOYANOPOULOS, J. (See Papaioannou, et al.), 12
NIXON, P. G. F. The genesis of the third heart sound,
712 (Annot.)

Nunes, Americo. (See Coelho, et al.), 766

0

OGAWA, SHIGERU. (See Starr and Ogawa), 482 OHRINGER, LEONARD. (See Luria, et al.), 357 OLIVER, G. C. (See Hancock, et al.), 50 OSBORNE, JOHN A. (See Dower, et al.), 307 ÖSTÖR, E. (See Gottsegen and Östör), 102

PAIVA, EDUARDO. (See Coelho, et al.), 766
PAPAIOANNOU, A. C., NIHOYANOPOULOS, J., and
VLACHOS, J. Cor triatriatum, 12
PARKER, BRENT M., BURFORD, THOMAS H., CARLSSON, ERIK C., and BUCHNER, EDWARD F.
The diagnosis of aorticopulmonary septal
defect, 534
PASTOR REPNARD H. (See Poderag and Parker) 564

Pastor, Bernard H. (See Rodman and Pastor), 564
Patterson, D. F., and Detweiler, D. K. Predominance of German shepherd and boxer breeds among dogs with congenital sub-aortic stenosis, 429 (Annot.)

PAUL, OGLESBY. (See Eisenstein, et al.), 826 PAYNE, CHARLES A., and GREENFIELD, JOSEPH C., JR. Electrocardiographic abnormalities associ-

ated with myotonic dystrophy, 436
Petropoulos, Panagiotis. Function of normal and hypertrophied hearts during perfusion of a main coronary artery with unsaturated blood or colloidal isotonic solutions at sys-

temic pressures, 514
Pettersson, Sven Olov. (See Elmqvist, et al.), 731 Phibbs, Brendan. Interference, dissociation, and semantics. A plea for rational nomenclature,

283 (Annot.)
Prinzmetal, Myron. Proposal on possibility of improving cow's milk for the purpose of lowering the incidence of atherosclerosis, 141 (Letter to Editor)

PRYOR, RAY. (See McNalley, et al.), 244

RACKLEY, CHARLES E. (See Sandler, et al.), 501 RIMOLDI, HORACIO J. A. (See Lev, et al.), 638
RITZMANN, LEONARD W. (See Adrouny, et al.), 327
RIVERA, EDWIN. (See Rodríguez, et al.), 253
ROBERTS, H. J. Use of a low-sodium formula as an improved Karell diet, with emphasis upon the outpatient management of heart failure

the outpatient management of heart failure and lymphedema, 32

ROBERTS, STEWART R., JR. (See Estes, et al.), 155 ROBERTS, WILLIAM C. The histologic structure of the pulmonary trunk in patients with "primary" pulmonary hypertension, 230 ROCKOFF, S. DAVID, and AUSTEN, W. GERALD. The

hemodynamic significance of the radiologicchanges in acquired aortic stenosis, 458

RODBARD, SIMON. Autoregulation in encapsulated, passive, soft-walled vessels, 648
RODMAN, THEODORE, and PASTOR, BERNARD H. The hemodynamic effects of digitalis in the normal and diseased heart, 564

Rodríguez, Héctor F., Fernández-Durán, Antonio, García-Moliner, Lucio, and Ri-VERA, EDWIN. Cardiopulmonary schistoso-

miasis, 253
Rogers, James V., Jr. (See Logue, et al.), 464
Roguska, Jadwiga. (See Kosowicz and Roguska),
17

Ross, Richard S. (See Lee, et al.), 361 Roveti, George C. (See Lee, et al.), 361 Rowe, George G., Afonso, Skoda, Castillo, CESAR A., LIOY, FRANCO, LUGO, JORGE, E., and CRUMPTON, CHARLES W. The systemic and coronary hemodynamic effects of synthetic bradykinin, 656

—. What size mesh? 1 Rubianes, C. (See Villamil, et al.), 294 Runco, Vincent, and Воотн, Richard W. Basal diastolic murmurs, 697

St. Ville, Joseph. (See Shaffer, et al.), 758 Sandler, Harold, Dodge, Harold T., Hay, Rob-ERT E., and RACKLEY, CHARLES E. Quantitation of valvular insufficiency in man by

angiocardiography, 501 Santemma, Esterino E. (See Mangiardi, et al.), 549

SANTEMMA, ESTERINO E. (See Mangiardi, et al.), 549
SAPHIR, OTTO. (See Kline, et al.), 446
SCHACK, JEROME A. (See Tannenbaum, et al.), 349
SCHECHTER, GARY L. (See Abildskov, et al.), 220
SCHOLANDER, P. F. (See Elsner, et al.), 571 (Annot.)
SCHRIRE, V., BECK, W., and BARNARD, C. N. Aneurysm of the ascending aorta obstructing right ventricular outflow and producing severe "pulmonary stenosis," 396
SCHWARTZ, A. (See Moran, et al.), 190
SCHWARTZ, THEODORE B. (See Eisenstein, et al.), 826

SCHWARTZ, THEODORE B. (See Eisenstein, et al.), 826 SENNING, ÅKE. (See Elmqvist, et al.), 731

SHABETAI, RALPH, and MARSHALL, WILLIAM J. Systolic murmurs, 412

and McGuire, Johnson. Idiopathic cardiac hypertrophy simulating valvular heart disease, 124

-, FOWLER, NOBLE O., and GUERON, MOSCHE. The effects of respiration on aortic pressure and flow, 525

SHAFFER, AARON B., ST. VILLE, JOSEPH, and MACK-LER, SAUL A. Coronary arteriovenous fistula with patent ductus arteriosus, 758

SHOURIE, LEELA. (See Hughes, et al.), 615

SIMONSON, ERNST, and LIEBERMAN, ARNOLD. Russian research on cardiac compensation and decompensation, 687

. (See Berman and Simonson), 285 (Annot.) SOKAL, JOSEPH E. (See Madianos and Sokal), 322 SOMLYO, ANDREW P., and GRAYZEL, JOSEPH. Left atrial arrhythmias, 68

SPACH, MADISON S., HUANG, SHAO-NAN, and AYERS, CHARLES R. Electrical and anatomic study of the Purkinje system of the canine heart, 664

SPERBER, ROBERT J., and DEGRAFF, ARTHUR C. Clinical evaluation of alpha methyl-dopa,

SPIVACK, ALFRED P. (See Toole, et al.), 77

STARR, ISAAC, and OGAWA, SHIGERU. A clinical study of the first derivative of the brachial pulse. Normal standards and abnormalities en-countered in heart disease, 482

STARZECKI, B. (See Halmagyi, et al.), 208 STEIN, EDWARD. (See Kleinfeld, et al.), 495 Sullivan, John J., Jr. (See Mangiardi, et al.), 549 Sutherland, Donald W. (See Adrouny, et al.), 327 Swanson, M. J. (See Hancock, et al.), 50

TALBERT, JAMES L., MORROW, ANDREW G., COL-LINS, N. PERRYMAN, and GILBERT, JOSEPH W. The incidence and significance of pulmonic regurgitation after pulmonary val-vulotomy, 590

TANNENBAUM, OSCAR, VESELL, HARRY, and SCHACK, JEROME A. A simple corrected orthogonal lead system of electrocardiography: correlation with the conventional twelve-lead electrocardiogram and clinical information, 349

TAQUINI, A. C. (See Villamil, et al.), 294
TIMMES, J. J. (See Deal, et al.), 441
TOOLE, J. GERALD, GROEBEN, J. VON DER, and
SPIVACK, ALFRED P. The periodic abnormalities of the temperospatial QRS vector in isolated right ventricular overwork, 77

TRUMMER, M. J. (See Deal, et al.), 441
TURNER, R. W. D. (See Logan, et al.), 135 (Annot.)
—... (See Lowther and Turner), 427 (Annot.)

UNGAR, H. (See Moran, et al.), 190

VESELL, HARRY. (See Tannenbaum, et al.), 349
VICK, R. L. (See Moe, et al.), 87
VIETOR, K. W. (See Heintzen and Vietor), 59
VILLAMIL, M. F., YEYATI, N., ENERO, M. A., RUBIANES, C., and TAQUINI, A. C. Effect of longterm treatment with hydrochlorothiazide
on water and electrolytes of muscle in hypertensive subjects, 294 pertensive subjects, 294

VLACHOS, J. (See Papaioannou, et al.), 12 VOGEL, JOHN H. K., GROVER, ROBERT F., and BLOUNT, S. GILBERT, JR. The platinum electrode, 841 (Annot.)

Wahlberg, Fredrik. A study of acute myocardial infarction at the Seraphimer Hospital during 1950-1959, 749

WALDMAN, MORTON. (See Dreifus, et al.), 607 WALLACE, STUART A. (See Gonzalez-Angulo, et al.),

WATANABE, YOSHIO. (See Dreifus, et al.), 607 WEIDMAN, WILLIAM H., DUSHANE, JAMES W., and KINCAID, OWINGS W. Observations concerning progressive pulmonary vascular obstruction in children with ventricular septal defects, 148

WHALEN, ROBERT E. (See Estes, et al.), 155 WILLIAM-OLSSON, GÖRAN. (See Elmqvist, et al.), 731 WOLF, ROBERT L. (See Mendlowitz, et al.), 93 Woods, J. D. (See Laurie and Woods), 579

YEYATI, N. (See Villamil, et al.), 294 YOSHIDA, KOICHI. (See Kimura and Yoshida), 391

ZAKOPOULOS, KONSTANTINE S. Bradykinetin rather than bradykinin, 847 (Letter to Editor) ZIEGLER, WILLIAM G. (See Dower, et al.), 307

Subject index*

Abnormalities, electrocardiographic, evaluation of new single, oblique chest lead for rapid screening of, in large populations (Lindeman, et al.), 24

periodic, of temperospatial QRS vector in isolated right ventricular overwork (Toole, et al.),

Abstracts, cardiovascular, 287 (B. Rev.)
Adams-Stokes syndrome and slow heart rate, artificial pacemaker for treatment of (Elmqvist, et al.), 731
Advances in cardiology, 848 (B. Rev.)
"Aimed" electrocardiography. Model studies, using heart consisting of 6 electrically isolated areas (Fischmann and Barber), 628
Addosterone effect of on electrolytes and on digital

Aldosterone, effect of, on electrolytes and on digital vascular reactivity to 1-norepinephrine in normotensive, hypertensive, and hypotensive subjects (Mendlowitz, et al.), 93

Alpha methyl-dopa, clinical evaluation of (Sperber and DeGraff), 275

Amyloidosis, primary, generalized (Gonzalez-Angulo, et al.), 110 Analgesics, narcotic, in heart disease (Modell), 709 Anastomoses, interarteriolar, coronary (Laurie and

Woods), 579 Aneurysm of ascending aorta obstructing right ven-tricular outflow and producing severe "pulmonary stenosis" (Schrire, et al.), 396

syndrome of compression of pulmonary artery

by (Kulkarni, et al.), 678 Aneurysms, sinus, aortic, ruptured. Clinical and surgical aspects of seven cases (Magidson and Kay), 597
Angina pectoris, isocarboxazid (Marplan) in treatment of (Grant), 137 (Annot.)

severe, comparison of continuous long-term heparin and oral anticoagulant therapy in

patients with (Hughes, et al.), 615 Angiocardiographic findings; origin of both great vessels from right ventricle with pulmonary stenosis (Coelho, et al.), 766

Angiocardiography, quantitation of valvular in-sufficiency in man by (Sandler, et al.), 501 Angiography, coronary, myocardial bridges in (Bloor and Lowman), 195 Angiosarcoma of heart (McNalley, et al.), 244

Angiotensin and disodium calcium versenate combined, given to reverse quinidine toxicity (Luchi, et al.), 345

Annotations, 135, 277, 425, 570, 712, 842

Announcements, 144, 290, 578, 722 Antazoline, new antiarrhythmic agent, clinical and physiologic effects of (Dreifus, et al.), 607

Antiarrhythmic agent, new, antazoline, clinical and physiologic effects of (Dreifus, et al.), 607

Anticoagulant, oral, therapy, comparison of continuous long-term heparin and, in patients with severe angina pectoris (Hughes, et al.), 615 therapy, 288 (B. Rev.)

in acute myocardial infarction (Jacobs), 716

Aorta, ascending, aneurysm of, obstructing right ventricular outflow and producing severe "pulmonary stenosis" (Schrire, et al.), 396

syndrome of compression of pulmonary artery by aneurysm of (Kulkarni, et al.), 678 correlative study between radiologic and patho-logic diagnoses of atherosclerosis of (Moran, et al.), 190

Aortic pressure and flow, effects of respiration on (Shabetai, et al.), 525

sinus aneurysms, ruptured. Clinical and surgical aspects of seven cases (Magidson and Kay),

stenosis, acquired, hemodynamic significance of radiologic changes in (Rockoff and Austen),

Aorticopulmonary septal defect, diagnosis of (Par-ker, et al.), 534

Apexcardiogram in normal older subjects and in patients with arteriosclerotic heart disease. Effect of exercise on "a" wave (Benchimol and Dimond), 789

L-Arginine monohydrochloride, oral, meralluride, treatment of refractory retention of fluid with (Mizgala, et al.), 5
Arrhythmias, atrial, left (Somlyo and Grayzel), 68
Arterial hypertension and ischemic heart disease. Preventive aspects, 143 (B. Rev.)

Arteriosclerosis, hypertension and. Epidemiology of cardiovascular diseases. Methodology, 287 (B. Rev.)

Arteriosclerotic heart disease, apexcardiogram in normal older subjects and in patients with. Effect of exercise on "a" wave (Benchimol and Dimond), 789

Arteriosus, patent ductus, coronary arteriovenous fistula with (Shaffer, et al.), 758

truncus, common, with regurgitant truncus valve; truncus insufficiency (Deely, et al.), 542 Arteriovenous fistula, coronary, with patent ductus arteriosus (Shaffer, et al.), 758

of kidney (Mangiardi, et al.), 549

Artery, coronary, main, function of normal and hypertrophied hearts during perfusion of, with unsaturated blood or colloidal isotonic solutions at systemic pressures (Petropoulos), 514

pulmonary, syndrome of compression of, by aneurysm of ascending aorta (Kulkarni,

et al.), 678

Ascending aorta, aneurysm of, obstructing right ventricular outflow and producing severe "pulmonary stenosis" (Schrire, et al.), 396 syndrome of compression of pulmonary artery

by aneurysm of (Kulkarni, et al.), 678 Atherosclerosis and diabetes, fats and carbohydrates as factors in, in Yemenite Jews (Cohen),

of aorta, correlative study between radiologic and pathologic diagnoses of (Moran, et al.), 190

proposal on possibility of improving cow's milk for purpose of lowering incidence of, 141 Atrial arrhythmias, left (Somlyo and Grayzel), 68

fibrillation, ventricular parasystole in (Berman and Simonson), 285 (Annot.)

^{*}January, pp. 1-144; February, pp. 145-290; March, pp. 291-432; April, pp. 433-578; May, pp. 579-722; June, pp. 723-864.

Atrial-Cont'd

septal defect, Valsalva's maneuver in (Hancock, et al.), 50

Atropine, wandering pacemaker occurring during speech, as result of paradoxical effect of, on A-V node (Deliyiannis), 683

Autoregulation in encapsulated, passive, soft-walled vessels (Rodbard), 648

A-V block, advanced, induced by micturition, syncope in (Luria, et al.), 357

nodal tachycardia, paroxysmal, experimentally induced by, in dog (Moe, et al.), 87 node, wandering pacemaker occurring during speech, as result of paradoxical effect of

Axis map, further observations with normalized electrocardiogram and (Abildskov, et al.),

Block, A-V, advanced, induced by micturition, syncope in (Luria, et al.), 357

Blood flow, regional, cardiac output and, 721 (B. Rev.)

pressure, observed, influence of rate of cuff inflation and deflation on, by sphygmomanome-

try (King), 303 venous, coronary, physiologic basis for normally low oxygen content of (Badeer), 844 (Annot.)

unsaturated, or colloidal isotonic solutions at systemic pressures, function of normal and hypertrophied hearts during perfusion of main coronary artery with (Petropoulos),

Body fluid disturbances, 288 (B. Rev.) Book reviews, 142, 287, 431, 576, 721, 848

Boxer, German shepherd and, breeds, predominance of, among dogs with congenital subaortic stenosis (Patterson and Detweiler), 429 (Annot.)

Brachial pulse, clinical study of first derivative of.
Normal standards and abnormalities encountered in heart disease (Starr and Ogawa), 482

Bradykinetin rather than bradykinin (Zakopoulos), 847 (Letter to Editor)

Bradykinin (Burch and DePasquale), 116 bradykinetin rather than (Zakopoulos), 847

synthetic, systemic and coronary hemodynamic effects of (Rowe, et al.), 656

Bretylium tosylate, pulmonary hypertensive effects of, in dog (McGaff and Leight), 240

Bridges, myocardial, in coronary angiography (Bloor and Lowman), 195 Buerger's disease, 576 (B. Rev.)

Calcium chloride given to reverse quinidine toxicity

(Luchi, et al.), 343
significance of, in cardiac excitation and contraction (Nayler), 404
heart, electrical and anatomic study of Purkinje system of (Spach, et al.), 664

Carbohydrates, fats and, as factors in atherosclerosis and diabetes in Yemenite Jews (Cohen),

Carcinoid syndrome. Effective symptomatic treatment (Dubach and Gsell), 425 (Annot.)

Cardiac compensation and decompensation, Russian

research on (Simonson and Lieberman), 687 diagnosis, surgeon's guide to. Part I. Diagnostic approach, 431 (B. Rev.)

Cardiac-Cont'd

excitation and contraction, significance of calcium ions in (Nayler), 404

idiopathic, simulating valvular heart disease (Shabetai and McGuire), 124 involvement in lymphosarcoma and reticulum cell sarcoma (Madianos and Sokal), 322

malformations and valvular disease, thermodilu-tion method in diagnosis of (Grosse-Brockhoff), 282 (Annot.)

output and regional blood flow, 721 (B. Rev.) symptoms, recurrent, after mitral valvuloplasty, evaluation of patients who develop (Harrison and Dexter), 583

Cardiology, advances in, 848 (B. Rev.) clinical, handbook of, 142 (B. Rev.)

Cardiopatias, adquiridas, sondeo cardiaco en, 289 (B. Rev.)

Cardiopulmonary schistosomiasis (Rodríguez, et al.), 253

Cardiotoxic effect of quinidine, prevention of, by isoproterenol (Gottsegen and Östör), 102 Cardiovascular abstracts, 287 (B. Rev.)

disease, application of computers in, 577 (B. Rev.)

radioisotopes in, 431 (B. Rev.) diseases, epidemiology of. Methodology. Hyper-tension and arteriosclerosis, 287 (B. Rev.)

functions, 142 (B. Rev.)
Catheterization, heart, left, transseptal, complications with (Adrouny, et al.), 327

Cerebrovascular accidents as public health problem,
431 (B. Rev.)

Chest ache (Morgan), 712 (Annot.)

lead, oblique, single, new, for rapid screening of electrocardiographic abnormalities in large populations, evaluation of (Lindeman, et al.), 24 surgery of, 289 (B. Rev.)

Cholesterol, serum, evaluation of drugs used to reduce (Hoff and DeGraff), 132

Circulation, extracorporeal, principles and techniques of; heart-lung bypass, 576 (B. Rev.) pulmonary, human, 142 (B. Rev.)

Climates, hot, man and his heart, 432 (B. Rev.) Clinical pathologic conference (Davis, et al.), 261 (Eisenstein, et al.), 826 (Krakower and Feldman), 555

Closure, narrowing or, premature, of foramen ovale (Lev, et al.), 638 Colloidal isotonic solutions, function of normal and hypertrophied hearts during perfusion of main coronary artery with unsaturated blood or, at systemic pressures (Petropoulos), 514

Compensation and decompensation, cardiac, Russian research on (Simonson and Lieberman), 687

Computers, application of, in cardiovascular disease, 577 (B. Rev.)

Conduction, multiple pathways of, and reciprocal rhythm with interpolated ventricular premature systoles (Kistin), 162

Conductor, volume, nonhomogeneous, "body surface" potentials produced by eccentric dipole in heart wall of (Bayley and Berry), 200

Contraction, cardiac excitation and, significance of

calcium ions in (Nayler), 404
premature, ventricular. Its place in diagnosis of ischemic heart disease (Benchimol, et al.),

Cor triatriatum (Papaioannou, et al.), 12

Coronary angiography, myocardial bridges in (Bloor and Lowman), 195

Coronary—Cont'd arteriovenous fistula with patent ductus arteriosus

(Shaffer, et al.), 758

artery, main, function of normal and hypertrophied hearts during perfusion of, with unsaturated blood or colloidal isotonic solutions at systemic pressures (Petropoulos), 514

disease, normal hemoglobin level and (Birnbaum), 136 (Annot.)

hemodynamic, systemic and, effects of synthetic

bradykinin (Rowe, et al.), 656 interarteriolar anastomosis (Laurie and Woods), 579

occlusion, effects of histamine and potassium release agents on ventricular rhythms before and after (Hano and Harris), 368

venous blood, physiologic basis for normally low oxygen content of (Badeer), 844 (Annot.) Cow's milk, proposal on possibility of improving, for

purpose of lowering incidence of atherosclerosis, 141 (Letter to Editor) Cuff inflation and deflation, influence of rate of, on observed blood pressure by sphygmoman-ometry (King), 303

Decompensation, cardiac compensation and, Russian research on (Simonson and Lieberman), 687 Diabetes, fats and carbohydrates as factors in atherosclerosis and, in Yemenite Jews

(Cohen), 291

Diacardiac phonogram (Heintzen and Vietor), 59 Diastolic murmurs, basal (Runco and Booth), 697 Diet, Karell, improved, use of low-sodium formula as, with emphasis upon outpatient management of heart failure and lymphedema (Roberts), 32

Digital vascular reactivity to l-norepinephrine, effect of aldosterone on electrolytes and on, in normotensive, and hypotensive

subjects (Mendlowitz, et al.), 93
Digitalis, hemodynamic effects of, in normal and diseased heart (Rodman and Pastor), 564
neurotoxic effects of (Lyon and DeGraff), 839

Dipole, eccentric, "body surface" potentials produced by, in heart wall of nonhomogeneous volume conductor (Bayley and Berry), 200 Dipyridamole (Persantin), evaluation of (DeGraff and Lyon), 423

Disease entity, new: leaflet redundancy of mitral valve (Deal, et al.), 441

Disodium calcium versenate given to reverse quinidine toxicity (Luchi, et al.), 345

Dissociation, interference, and semantics. Plea for rational nomenclature (Phibbs), 283 (Annot.)

Diving man, selective ischemia in (Elsner, et al.), 571 (Annot.)

Dog, experimentally induced paroxysmal A-V nodal tachycardia in (Moe, et al.), 87
pulmonary hypertensive effects of bretylium tosylate in (McGaff and Leight), 240

Dogs, predominance of German shepherd and boxer breeds among, with congenital subaortic stenosis (Patterson and Detweiler), 429 (Annot.)

Drugs used in treatment of heart conditions, appraisal and reappraisal of (DeGraff), 131 to reduce serum cholesterol, evaluation of (Hoff and DeGraff), 132

Dystrophy, myotonic, electrocardiographic ab-normalities associated with (Payne and Greenfield), 436

Editorials, 1, 145, 291, 433, 579, 723 Electrical alternans of T wave without change in QRS complex, case showing (Kimura and Yoshida), 391

with emphasis on recent observations made by means of single-cell electrical recording (Kleinfeld, et al.), 495

recording, single-cell, electrical alternans with emphasis on recent observations made by means of (Kleinfeld, et al.), 495

Electrically isolated areas, 6, model studies, using heart consisting of; "aimed" electrocardiog-raphy (Fischmann and Barber), 628

Electrocardiogram in hypopituitarism. Reversibility of changes during treatment (Kosowicz

and Roguska), 17
normalized, and axis map, further observations with (Abildskov, et al.), 220
twelve-lead, conventional, and clinical information, correlation with; simple corrected orthogonal lead system of electrocardiog-

raphy (Tannenbaum, et al.), 349 Electrocardiographic abnormalities associated with myotonic dystrophy (Payne and Green-

field), 436

in large populations, evaluation of new single, oblique chest lead for rapid screening of

(Lindeman, et al.), 24 and vectorcardiographic findings in idiopathic hypertrophic subaortic stenosis (Estes, et al.), 155

report, semantics and (Levine), 433

studies, phonocardiographic and, in normal new-born infants (Craige and Harned), 180 Electrocardiographs, direct-writing, on QRS ampli-

tude and other errors produced by (Dower, et al.), 307

Electrocardiography, "aimed." Model studies using heart consisting of 6 electrically isolated areas (Fischmann and Barber), 628

practical, 576 (B. Rev.)

simple corrected orthogonal lead system of: cor-relation with conventional twelve-lead electrocardiogram and clinical information (Tannenbaum, et al.), 349

Electrode, platinum (Vogel, et al.), 841 (Annot.) Electrolytes, effect of aldosterone on, and on digital vascular reactivity to 1-norepinephrine in normotensive, hypertensive, and hypotensive subjects (Mendlowitz, et al.), 93

water and, of muscle, effect of long-term treatment

water and, of muscie, effect of long-term treatment with hydrochlorothiazide on, in hypertensive subjects (Villamil, et al.), 294

Embolism, lung, experimental, "severe," with and without postembolic collapse, effect of isoproterenol in (Halmagyi, et al.), 208

Epidemiology of cardiovascular diseases. Methodology. Hypertension and arteriosclerosis, 287 (B. Rev.)

Excitation and contraction, cardiac, significance of calcium ions in (Nayler), 404

Failure, heart, in hypertensive patients (Mickerson), 267

left, subtle roentgenographic signs of (Logue, et al.), 464

Fats and carbohydrates as factors in atherosclerosis and diabetes in Yemenite Jews (Cohen),

Fibrillation, atrial, ventricular parasystole in (Berman and Simonson), 285 (Annot.) Fistula, arteriovenous, of kidney (Mangiardi, et al.),

Fistula-Cont'd

coronary arteriovenous, with patent ductus ar-teriosus (Shaffer, et al.), 758

Flow, aortic pressure and, effects of respiration on (Shabetai, et al.), 525

Fluid, body, disturbances, 288 (B. Rev.)

treatment of refractory retention of, with oral L-arginine monohydrochloride and meralluride (Mizgala, et al.), 5

Foramen ovale, premature narrowing or closure of (Lev, et al.), 638

Functional recovery of men surviving first myo-cardial infarction, assessment of (Dimond),

Gastric hemodynamics (Jacobson), 843 (Annot.)

German shepherd and boxer breeds, predominance of, among dogs with congenital subaortic stenosis (Patterson and Detweiler), 429 (Annot.)

Glycogen storage disease of myocardium (Ehlers and Engle), 145

Health, tobacco and, 287 (B. Rev.)

Heart, angiosarcoma of (McNalley, et al.), 244 canine, electrical and anatomic study of Purkinje

canne, electrical and anatomic study of Purkinje system of (Spach, et al.), 664 catheterization, left, transseptal, complications with (Adrouny, et al.), 327 conditions, appraisal and reappraisal of drugs used in treatment of (DeGraff), 131 consisting of 6 electrically isolated areas, model studies, using; "aimed" electrocardiography (Fischmann and Barber), 628 studies, using; "aimed" electroca raphy (Fischmann and Barber), 628

disease, arteriosclerotic, apexcardiogram in normal older subjects and in patients with. Effect of exercise on "a" wave (Benchimol and Dimond), 789

coronary, normal hemoglobin level and (Birn-

baum), 136 (Annot.)
ischemic, arterial hypertension and. Preventive aspects, 143 (B. Rev.)
its place in diagnosis of; ventricular premature contraction (Benchimol, et al.), 334 narcotic analgesics in (Modell), 709

normal standards and abnormalities encountered in; clinical study of first derivative of brachial pulse (Starr and Ogawa), 482

valvular, idiopathic cardiac hypertrophy simulating (Shabetai and McGuire), 124

failure and lymphedema, use of low-sodium form-ula as improved Karell diet, with emphasis upon outpatient management of (Roberts), 32

in hypertensive patients (Mickerson), 267 left, subtle roentgenographic signs of (Logue, et al.), 464

his, hot climates, man and, 432 (B. Rev.)

human, tissue, immunologic relationship of group A streptococcal strains and. Possible significance for pathogenesis of rheumatic fever (Kaplan), 426 (Annot.) normal and diseased, hemodynamic effects of

digitalis in (Rodman and Pastor), 564

rate, slow, artificial pacemaker for treatment of Adams-Stokes syndrome and (Elmqvist, et al.), 731

sound, second, origin of (Coleman), 237 third, genesis of (Nixon), 712 (Annot.)

Heart-Cont'd

vector, characterizing variations of, in terms of normalized electrocardiograms. Appendix I (Abildskov, et al.), 226 vertical component of (Nelson and Matsuoka),

774

wall of nonhomogeneous volume conductor, "body surface" potentials produced by eccentric dipole in (Bayley and Berry), 200

Heart-lung bypass. Principles and techniques of extracorporeal circulation, 576 (B. Rev.)

normal and hypertrophied, function of, during perfusion of main coronary artery with unsaturated blood or colloidal isotonic solutions at systemic pressures (Petropoulos), 514

Hemodynamic, coronary, systemic and, effects of synthetic bradykinin (Rowe, et al.), 656

effects, differential, of soproterenol on mitral stenosis and left ventricular diseases (Cox, et al.), 802

of digitalis in normal and diseased heart (Rodman and Pastor), 564

of isoproterenol on pulmonary hypertension in man (Lee, et al.), 361

significance of radiologic changes in acquired aortic stenosis (Rockoff and Austen), 458

Hemodynamics, gastric (Jacobson), 843 (Annot.)

Hemoglobin level, normal, and coronary heart disease (Birnbaum), 136 (Annot.)

Heparin, long-term, continuous, and oral anticoagulant therapy, comparison of, in patients with severe angina pectoris (Hughes, et al.),

Histamine and potassium release agents, effects of, on ventricular rhythms before and after coronary occlusion (Hano and Harris), 368

Histologic structure of pulmonary trunk in patients with "primary (Roberts), 230 pulmonary hypertension

Hot climates, man and his heart, 432 (B. Rev.)

Hydrochlorothiazide, effect of long-term treatment with, on water and electrolytes of muscle in hypertensive subjects (Villamil, et al.),

Hypertension and arteriosclerosis. Epidemiology of cardiovascular diseases. Methodology, 287 (B. Rev.)

arterial, and ischemic heart disease. Preventive aspects, 143 (B. Rev.)

methyldopa in (Dollery), 139 (Annot.)

pulmonary, hemodynamic effects of isoproterenol on, in man (Lee, et al.), 361
"primary," histologic structure of pulmonary

trunk in patients with (Roberts), 230

Hypertensive, normotensive, and hypotensive subjects, effect of aldosterone on electrolytes and on digital vascular reactivity to l-norepinephrine in (Mendlowitz, et al.) 93

patients, heart failure in (Mickerson), 267 pulmonary, effects of bretylium tosylate in dog (McGaff and Leight), 240

subjects, effect of long-term treatment with hydrochlorothiazide on water and electrolytes of muscle in (Villamil, et al.), 294

Hypertrophied, normal and, hearts, function of, during perfusion of main coronary artery with unsaturated blood or colloidal isotonic solutions at systemic pressures (Petropoulos), 514

Hypertrophy, cardiac, idiopathic, simulating val-vular heart disease (Shabetai and Mc-Guire), 124

Hypopituitarism, electrocardiogram in. Reversi-bility of changes during treatment (Kosowicz and Roguska), 17

Hypotension and shock syndrome complicating staphylococcal pneumonia (Kellaway), 507 (Annot.)

Hypotensive, normotensive, hypertensive, and, subjects, effect of aldosterone on electrolytes and on digital vascular reactivity to 1norepinephrine in (Mendlowitz, et al), 93

Illness, fatal, of Napoleon the Great (Cawadias), 277 (Annot.)

Infants, newborn, normal, phonocardiographic and electrocardicgraphic studies in (Craige and Harned), 180

Infarction, myocardial, acute, anticoagulant therapy

in (Jacobs), 716 (Annot.) study of, at Seraphimer Hospital during 1950-1959 (Wahlberg), 749

first, assessment of functional recovery of men surviving (Dimond), 832

Inflation and deflation, cuff, influence of rate of, on observed blood pressure by sphygmo-manometry (King), 303

Insufficiency, truncus: common truncus arteriosus with regurgitant truncus valve (Deely, et al.), 542

valvular, quantitation of, in man by angiocardiography (Sandler, et al.), 501

Insurance, life, medicine, annals of, 721 (B. Rev.) Interarteriolar anastomosis, coronary (Laurie and Woods), 579

Interference, dissociation, and semantics. Plea for rational nomenclature (Phibbs), 283 (Annot.)

Intracardiac sounds, new method for produc-ing, calibrating, and recording, in man (Feruglio), 377

Intrapericardial teratoma (Legnami and Corwin), 674

Ischemia, selective, in diving man (Elsner et al.), 571 (Annot.)

Ischemic heart disease, arterial hypertension and. Preventive aspects, 143 (B. Rev.)

its place in diagnosis of; ventricular premature contraction (Benchimol, et al.), 334

Isocarboxazid (Marplan) in treatment of angina pectoris (Grant), 137 (Annot.)

Isoproterenol, differential hemodynamic effects of, on mitral stenosis and left ventricular diseases (Cox, et al.), 802 effect of, in "severe" experimental lung embolism

effect of, in "severe" experimental lung embolism with and without postembolic collapse (Halmagyi, et al.), 208
hemodynamic effects of, on pulmonary hypertension in man (Lee, et al.), 361
prevention of cardiotoxic effect of quinidine by

(Gottsegen and Östör), 102

Isotonic, colloidal, solutions, function of normal and hypertrophied hearts during perfusion of main coronary artery with unsaturated blood or, at systemic pressures (Petropoulos), 514

Jews, Yemenite, fats and carbohydrates as factors in atherosclerosis and diabetes in (Cohen),

Karell diet, improved, use of low-sodium formula as, with emphasis upon outpatient manage-ment of heart failure and lymphedema (Roberts), 32

Kidney, arteriovenous fistula of (Mangiardi, et al.), 549

Lead, chest, oblique, single, new, for rapid screening of electrocardiographic abnormalities in large populations, evaluation of (Lindeman, et al.), 24

system, orthogonal, corrected, simple, of electrocardiography: correlation with conventional twelve-lead electrocardiogram and clinical information (Tannenbaum, et al.), 340

Leaflet redundancy of mitral valve; new disease entity (Deal, et al.), 441

Letters to Editor, 141, 720, 847

Levarterenol given to reverse quinidine toxicity (Luchi, et al.), 345

Life insurance medicine, annals of, 721 (B. Rev.) Low-sodium formula, use of, as improved Karell diet, with emphasis upon outpatient man-agement of heart failure and lymphedema (Roberts), 32

Lung embolism, experimental, "severe," with and without postembolic collapse, effect of isoproternol in (Halmagyi, et al.), 208

Lymphedema, use of low-sodium formula as improved Karll diet with emphasis uses

proved Karell diet, with emphasis upon outpatient management of heart failure and (Roberts), 32

Lymphosarcoma and reticulum cell sarcoma, cardiac involvement in (Madianos and Sokal), 322

M

Malformations, cardiac, and valvular disease, thermodilution method in diagnosis of (Grosse-Brockhoff), 282 (Annot.)

Mebutamate. Antihypertensive or tranquilizer? (DeGraff and Lyon), 569

Meralluride, treatment of refractory retention of fluid with oral L-arginine monohydrochloride and (Mizgala, et al.), 5 Mesh, what size? (Rowe), 1

Methodology. Hypertension and arteriosclerosis. Epidemiology of cardiovascular diseases,

287 (B. Rev.) Methoxamine given to reverse quinidine toxicity (Luchi, et al.), 345

Methyldopa in hypertension (Dollery), 139 (Annot.) Micturition, syncope in advanced A-V block induced by (Luria, et al.), 357

Milk, cow's, proposal on possibility of improving, for purpose of lowering incidence of atherosclerosis, 141 (Letter to Editor)

Mitral stenosis and left ventricular diseases, differential hemodynamic effects of isopro-terenol on (Cox, et al.), 802

reoperation for (Logan, et al.), 135 (Annot.) valve disease, pulmonary ossific nodule formation in absence of. Report of four cases (Epstein, et al.), 816

leaflet redundancy of; new disease entity (Deal, et al.), 441

valvotomy, deterioration after (Lowther and Turner), 427 (Annot.)

valvuloplasty, evaluation of patients who develop recurrent cardiac symptoms after (Harrison and Dexter), 583

Molar sodium lactate given to reverse quinidine toxicity (Luchi, et al.) 344

Murmurs, diastolic, basal (Runco and Booth), 697 systolic (Shabetai and Marshall), 412

Muscle, effect of long-term treatment with hydro-chlorothiazide on water and electrolytes of, in hypertensive subjects (Villamil, et al.),

Myocardial bridges in coronary angiography (Bloor

and Lowman), 195

factor, importance of, in determining clinical course and surgical results; pulmonary stenosis (McIntosh and Cohen), 715 (Annot.)

ction, acute, anticoagulant therapy in (Jacobs), 716 (Annot.) study of, at Seraphimer Hospital during 1950infarction, acute,

1959 (Wahlberg), 749 first, assessment of functional recovery of men

mist, assessment of interioral recovery of their surviving (Dimond), 832

Myocarditis in senescence (Kline, et al.), 446

Myocardium, glycogen storage disease of (Ehlers and Engle), 145

Myotonic dystrophy, electrocardiographic abnormalities associated with (Payne and Greenfield), 436

Napoleon the Great, fatal illness of (Cawadias), 277 (Annot.)

Narcotic analgesics in heart disease (Modell), 709 Narrowing or closure, premature, of foramen ovale (Lev, et al.), 638

Nephrotic syndrome; syndrome of proteinuria (Arneil), 723

Neurotoxic effects of digitalis (Lyon and DeGraff), 839

Nodal tachycardia, A-V, paroxysmal, experimentally induced, in dog (Moe, et al.), 87

Nodule, ossific, pulmonary, formation in absence of mitral valve disease. Report of four cases (Epstein, et al.), 816

Nomenclature, rational, plea for; interference, disso-ciation, and semantics (Phibbs), 283 (Annot.)

1-Norepinephrine, effect of aldosterone on electrolytes and on digital vascular reactivity to, in normotensive, hypertensive, and hypotensive subjects (Mendlowitz, et al.), 93

Normotensive, hypertensive, and hypotensive subjects, effect of aldosterone on electrolytes and on digital vascular reactivity to 1norepinephrine in (Mendlowitz, et al.), 93

Obstruction, progressive pulmonary vascular, observations concerning, in children with ventricular septal defects (Weidman, et al.), 148

Occlusion, coronary, effects of histamine and potassium release agents on ventricular rhythms before and after (Hano and Harris), 368

Older subjects, normal, apexcardiogram in, and in patients with arteriosclerotic heart disease. Effect of exercise on "a" wave ease. Effect of exercise on (Benchimol and Dimond), 789

Orthogonal lead system, corrected, simple, of electrocardiography: correlation with conventional twelve-lead electrocardiogram and clinical information (Tannenbaum, et al.), 349

Overwork, ventricular, right, isolated, periodic abnormalities of temperospatial QRS vector in (Toole, et al.), 77

Oxygen content, normally low, of coronary venous blood, physiologic basis for (Badeer), 844 (Annot.)

P

Pacemaker, artificial, for treatment of Adams-Stokes syndrome and slow heart rate (Elmqvist, et al.), 731

wandering, occurring during speech, as result of paradoxical effect of atropine on A-V node (Deliyiannis), 683

Parasystole, ventricular, in atrial fibrillation (Berman and Simonson), 285 (Annot.)

Paroxysmal A-V nodal tachycardia in dog (Moe, et al.), 87

Patent ductus arteriosus, coronary arteriovenous fistula with (Shaffer, et al.), 758

Pathologic, radiologic and, diagnoses of atherosclerosis of aorta, correlative study between (Moran, et al.), 190

Perfusion of main coronary artery with unsaturated blood or colloidal isotonic solutions at systemic pressures, function of normal and hypertrophied hearts during (Petropoulos), 514

Pericarditis, constrictive, acute nonspecific pericarditis complicated by development of (Azar), 474

nonspecific, acute, complicated by development of constrictive pericarditis (Azar), 474 Peripheral vascular diseases, 289 (B. Rev.)

Pheochromocytoma, unusual manifestations (Leather), 574 (Annot.)

Phonocardiographic and electrocardiographic studies in normal newborn infants (Craige and Harned), 180

Phonogram, diacardiac (Heintzen and Vietor), 59 Placebo effect, negative, in science (Mendlowitz), 842 (Annot.)

Platinum electrode (Vogel, et al.), 841 (Annot.) Pneumonia, staphylococcal, hypotension and shock syndrome complicating (Kellaway), 570

Potassium release agents, effects of histamine and, on ventricular rhythms before and after coronary occlusion (Hano and Harris), 368

Potential, "body surface," produced by eccentric dipole in heart wall of nonhomogeneous volume conductor (Bayley and Berry), 200

Pressure, aortic, and flow, effects of respiration on (Shabetai, et al.), 525

Pressures, systemic, function of normal and hypertrophied hearts during perfusion of main coronary artery with unsaturated blood or colloidal isotonic solutions at (Petropoulos),

Proteinuria, syndrome of. Nephrotic syndrome (Arneil), 723

Psychogenic retention of water (Mandell), 572 (Annot.)

Pulmonary artery, syndrome of compression of, by aneurysm of ascending aorta (Kulkarni, et al.), 678

circulation, human, 142 (B. Rev.) hypertension, hemodynamic effects of isopro-terenol on, in man (Lee, et al.), 361

hypertensive effects of bretylium tosylate in dog (McGaff and Leight), 240

ossific nodule formation in absence of mitral valve disease. Report of four cases (Epstein, et al.), 816

stenosis: importance of myocardial factor in determining clinical course and surgical results (McIntosh and Cohen), 715 (An-

origin of both great vessels from right ventricle with. Angiocardiographic findings (Coelho,

et al.), 766

Pulmonary stenosis-Cont'd

severe, aneurysm of ascending aorta obstructing right ventricular outflow and producing (Schrire, et al.), 396

trunk, histologic structure of, in patients with "primary" pulmonary hypertension (Rob-

erts), 230

valvulotomy, incidence and significance of pulmonic regurgitation after (Talbert, et al.), 590

vascular obstruction, progressive, observations concerning, in children with ventricular septal defects (Weidman, et al.), 148

Pulmonic regurgitation after pulmonary valvulot-omy, incidence and significance of (Talbert, et al.), 590

Pulse, brachial, clinical study of first derivative of. Normal standards and abnormalities encountered in heart disease (Starr and Ogawa), 482

Purkinje system of canine heart, electrical and anatomic study of (Spach, et al.), 664

QRS amplitude and other errors produced by directwriting electrocardiographs, on (Dower, et al.), 307

complex, case showing electrical alternans of T wave without change in (Kimura and Yoshida), 391

vector, temperospatial, periodic abnormalities of, in isolated right ventricular overwork (Toole, et al.), 77

Quantitation of valvular insufficiency in man by

angiocardiography (Sandler, et al.), 501 Quinidine, prevention of cardiotoxic effect of, by isoproterenol (Gottsegen and Östör), 102 toxicity and its treatment (Luchi, et al.), 340

Radioisotopes in cardiovascular disease, 431 (B. Rev.)

Radiologic and pathologic diagnoses of atherosclerosis of aorta, correlative study between (Moran, et al.), 190

changes in acquired aortic stenosis, hemodynamic significance (Rockoff and Austen), 458

Rate, heart, slow, artificial pacemaker for treatment of Adams-Stokes syndrome and (Elmqvist, et al.), 731

Reactivity, vascular, digital, to 1-norepinephrine, effect of aldosterone on electrolytes and on, in normotensive, hypertensive, and hypotensive subjects (Mendlowitz, et al.), 93

Reciprocal rhythm with interpolated ventricular premature systoles, multiple pathways of conduction and (Kistin), 162

Recording, electrical, single-cell, electrical alternans with emphasis on recent observations made by means of (Kleinfeld, et al.), 495

Recovery, functional, of men surviving first myo-cardial infarction, assessment of (Dimond), 832

Refractory retention of fluid, treatment of, with oral L-arginine monohydrochloride and meralluride (Mizgala, et al.), 5

Regurgitation, pulmonic, after pulmonary valvulot-omy, incidence and significance of (Talbert, et al.), 590

Reoperation for mitral stenosis (Logan, et al.), 135 (Annot.)

Respiration, effects of, on aortic pressure and flow (Shabetai, et al.), 525

Retention of fluid, refractory, treatment of, with oral L-arginine monohydrochloride and meralluride (Mizgala, et al.), 5 Reticulum cell sarcoma, cardiac involvement in

lymphosarcoma and (Madianos and Sokal),

Rheumatic fever, advances in, 432 (B. Rev.)
possible significance for pathogenesis of; immunologic relationship of group A streptococcal strains and human heart tissue (Kaplan), 426 (Annot.)

Rhythm reciprocal with interpolated ventricular

Rhythm, reciprocal, with interpolated ventricular premature systoles, multiple pathways of

conduction and (Kistin), 162

Rhythms, ventricular, effects of histamine and potassium release agents on, before and after coronary occlusion (Hano and Harris), 368

Roentgenographic signs, subtle, of left heart failure

(Logue, et al.), 464 Russian research on cardiac compensation and decompensation (Simonson and Lieberman), 687

Sarcoma, reticulum cell, cardiac involvement in lymphosarcoma and (Madianos and Sokal),

omiasis, cardiopulmonary (Rodríguez, et al.), 253 Schistosomiasis.

Science, negative placebo effect in (Mendlowitz), 842 (Annot.)

Screening, rapid, of electrocardiographic abnormalities in large populations, evaluation of new single, oblique chest lead for (Linde-man, et al.), 24

Second heart sound, on origin of (Coleman), 237 Semantics and electrocardiographic report (Levine),

interference, dissociation, and. Plea for rational nomenclature (Phibbs), 283 (Annot.)

Senescence, myocarditis in (Kline, et al.), 446 Septal defect, atrial, Valsalva's maneuver in (Hancock, et al.), 50 aorticopulmonary, diagnosis of (Parker, et al.),

534

defects, ventricular, observations concerning progressive pulmonary vascular obstruction in children with (Weidman, et al.), 148

Serum cholesterol, evaluation of drugs used to reduce (Hoff and DeGraff), 132 Shock syndrome, hypotension and, complicating staphylococcal pneumonia (Kellaway), 570 (Annot.)

Sinus aneurysms, aortic, ruptured. Clinical and surgical aspects of seven cases (Magidson and Kay), 597

Sondeo, cardiaco, en las cardiopatias adquiridas, 289 (B. Rev.)

Sound, heart, second, on origin of (Coleman), 237 Sounds, intracardiac, new method for produc-ing, calibrating, and recording, in man (Feruglio), 377

Speech, wandering pacemaker occurring during, as result of paradoxical effect of atropine on A-V node (Deliyiannis), 683

Sphygmomanometry, influence of rate of cuff infla-tion and deflation on observed blood pressure by (King), 303

Staphylococcal pneumonia, hypotension and shock syndrome complicating (Kellaway), 570 (Annot.)

Stenosis, aortic, acquired, hemodynamic significance of radiologic changes in (Rockoff and Austen), 458

Stenosis-Cont'd

mitral, and left ventricular diseases, differential hemodynamic effects of isoproterenol on

(Cox, et al.), 802
reoperation for (Logan, et al.), 135 (Annot.)
pulmonary: importance of myocardial factor in
determining clinical course and surgical results (McIntosh and Cohen), 715 (Annot.

origin of both great vessels from right ventricle with. Angiocardiographic findings (Coelho,

et al.), 766

subaortic, congenital, predominance of German shepherd and boxer breeds among dogs with (Patterson and Detweiler), 429 (Annot.)

hypertrophic, idiopathic, electrocardiographic and vectorcardiographic findings in (Estes,

et al.), 155

Streptococcal strains, group A, and human heart tissue, immunologic relationship of. Possible significance for pathogenesis of rheu-matic fever (Kaplan), 426 (Annot.) Subaortic stenosis, congenital, predominance of

German shepherd and boxer breeds among dogs with (Patterson and Detweiler), 429 (Annot.)

hypertrophic, idiopathic, electrocardiographic and vectorcardiographic findings in (Estes,

et al.), 155

Surgeon's guide to cardiac diagnosis. Part I. Diagnostic approach, 431 (B. Rev.) Surgery of chest, 289 (B. Rev.) progress in, 142 (B. Rev.)

Syncope in advanced A-V block induced by micturition (Luria, et al.), 357

Systemic and coronary hemodynamic effects of synthetic bradykinin (Rowe, et al.), 656 Systoles, premature, ventricular, interpolated, multiple pathways of conduction and reciprocal

rhythm with (Kistin) 162

Systolic murmurs (Shabetai and Marshall), 412

T wave, case showing electrical alternans of, without change in QRS complex (Kimura and Yoshida), 391

Tachycardia, nodal, A-V, paroxysmal, experimentally induced, in dog (Moe, et al.), 87 Temperospatial QRS vector, periodic abnormalities of, in isolated right ventricular overwork (Toole, et al.), 77

Teratoma, intrapericardial (Legnami and Corwin),

Thermodilution method in diagnosis of cardiac malformations and valvular disease (Grosse-Brockhoff), 282 (Annot.)

Third heart sound, genesis of (Nixon), 712 (Annot.) Tobacco and health, 287 (B. Rev.)

Toxicity, quinidine, and its treatment (Luchi, et al.), 340

Treatment, long-term, with hydrochlorothiazide, effect of, on water and electrolytes of muscle in hypertensive subjects (Villamil, et al.), 294

Truncus insufficiency: common truncus arteriosus with regurgitant truncus valve (Deely, et

al.), 542

Trunk, pulmonary, histologic structure of, in patients with "primary" pulmonary hypertension (Roberts), 230

Valsalva's maneuver in atrial septal defect (Hancock, et al.), 50

Valve, mitral, disease, pulmonary ossific nodule formation in absence of. Report of four cases (Epstein, et al.), 816 leaflet redundancy of; new disease entity (Deal,

et al.), 441

Valvotomy, mitral, deterioration after (Lowther and Turner), 427 (Annot.)

Valvular disease, thermodilution method in diagnosis of cardiac malformations and (Grosse-Brockhoff), 282 (Annot.)

heart disease, idiopathic cardiac hypertrophy simulating (Shabetai and McGuire), 124

insufficiency, quantitation of, in man by angio-cardiography (Sandler, et al.), 501 Valvuloplasty, mitral, evaluation of patients who develop recurrent cardiac symptoms after

(Harrison and Dexter), 583

Valvulotomy, pulmonary, incidence and significance of pulmonic regurgitation after (Talbert, et al.), 590

Vascular, peripheral, diseases, 289 (B. Rev.)

pulmonary, obstruction, progressive, observations concerning, in children with ventricular septal defects (Weidman, et al.), 148

reactivity, digital, to l-norepinephrine, effect of aldosterone on electrolytes and on, in normotensive, hypertensive, and hypotensive subjects (Mendlowitz, et al.), 93

Vector, heart, characterizing variations of, in terms of normalized electrocardiograms. Appendix I (Abildskov, et al.), 226 vertical component of (Nelson and Matsuoka),

QRS, temperospatial, periodic abnormalities of, in isolated right ventricular overwork, (Toole, et al.), 77

Vectorcardiographic, electrocardiographic and, findings in idiopathic hypertrophic subaortic stenosis (Estes, et al.), 155

Venous blood, coronary, physiologic basis for nor-mally low oxygen content of (Badeer), 844 (Annot.)

Ventricle, right, with pulmonary stenosis, origin of both great vessels from. Angiocardiographic findings (Coelho, et al.), 766

Ventricular diseases, left, differential hemodynamic effects of isoproterenol on mitral stenosis and (Cox, et al.), 802

outflow, right, aneurysm of ascending aorta obstructing, and producing severe "pul-monary stenosis" (Schrire, et al.), 396 overwork, right, isolated, periodic abnormalities of temperospatial QRS vector in (Toole, et

al.), 77

parasystole in atrial fibrillation (Berman and

Simonson), 285 (Annot.) premature contraction. Its place in diagnosis of ischemic heart disease (Benchimol, et al.),

systoles, interpolated, multiple pathways of conduction and reciprocal rhythm with (Kistin), 162

rhythms, effects of histamine and potassium release agents on, before and after coronary occlusion (Hano and Harris), 368

septal defects, observations concerning progressive pulmonary vascular obstruction in children with (Weidman, et al.), 148

Vertical component of heart vector (Nelson and Matsuoka), 774

Vessels, great, both, from right ventricle with pulmonary stenosis, origin of. Angiocardio-graphic findings (Coelho, et al.), 766 soft-walled, passive, encapsulated, autoregulation in (Rodbard), 648

864

- Volume conductor, nonhomogeneous, "body surface" potentials produced by eccentric dipole in heart wall of (Bayley and Berry), 200
- Wall, heart, of nonhomogeneous volume conductor, "body surface" potentials produced by eccentric dipole in (Bayley and Berry), 200
- Wandering pacemaker occurring during speech, as result of paradoxical effect of atropine on A-V node (Deliyiannis), 683
- Water and electrolytes of muscle, effect of long-term treatment with hydrochlorothiazide on, in hypertensive subjects (Villamil), 294
 - psychogenic retention of (Mandell), 572 (Annot.)

